

IPC-HDBW1431R-ZS-S4

4MP Entry IR Vari-focal Dome Netwok Camera



- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560 \times 1440) @25/30 fps, and supports max. 4MP (2688 \times 1520) @20 fps
- H.265 codec, high compression rate, ultra-low bit rate
- · Built-in IR LED. max. IR distance: 40 m
- ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Image flip, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- · Supports max. 256 GB SD card
- 12V DC/PoE power support
- ·IP67, IK10 protection













System Overview

With features of simple installation, easy operation, and high performance-cost ratio, Entry Series camera is applicable to small and medium-sized scenes, such as homes/residences, small-sized retail stores, and other small and medium-sized enterprises.

Functions

Smart (H.265+ & H.264+)

With advanced scene-adaptive rate control algorithm, smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Motion Detection

When moving objects appear in the monitoring image, Motion Detection (General) technology triggers alarm or records.

Wide Dynamic Range (WDR)

With advanced Wide Dynamic Range (WDR) technology, network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Smart IR

Smart IR technology can display image in the environment of low illuminance or completely dark environment. According to the distance of the targets, the camera adjusts IR LEDs intensity automatically to display the details of the moving target.

Protection (IP67, IK10, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 m (Impact energy is 20J). Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.



Technical Specification Camera							Bit Rate Control	CBR; VBR
				Video Bit Rate	H.264: 32 Kbps–6144 Kbps H.265: 12 Kbps–6144 Kbps			
Image Sensor		1/3 "4Megapixel progressive CMOS					Day/Night	Auto(ICR)/Color/B/W
Effective Pixels		2688 (H) ×1520 (V)					BLC	Yes
ROM	ROM		128 MB				HLC	Yes
RAM		128 MB					WDR	120 dB
Scanning System		Progressive					White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100000 s					Gain Control	Manual/Auto
Min. Illumination		0.03 Lux @ F1.7					Noise Reduction	3D DNR
IR Distance		40 m (164.0 ft)					Motion Detection	OFF/ON (4 areas, rectangular)
IR On/Off Control		Auto/Manual						Yes (4 areas)
IR LEDs Number		2					Region of Interest(RoI)	
Pan/Tilt/Rotatio	n Range	Horizontal: 0 Vertical: 0°-7					Smart IR	Yes 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520
Tany Inty Notatio	n nange	Rotation: 0°–					Image Rotation	resolution.)
Lens							Mirror	Yes
Lens Type		Motorized vari-focal					Privacy Masking	4 areas
Mount Type		ф14					Network	
Focal Length		2.8 mm-12 mm					Network	RJ-45 (10/100 Base-T)
Max. Aperture		F1.7						HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP;
Field of View		Horizontal: 98°–31° Vertical: 55°–18° Diagonal: 116°–36°					Protocol	DHCP; DNS; DDNS; PPPoE; IPv4/v6; QoS; UPnP; NTP; RTMP; Multicast; HTTPS; SFTP; 802.1x; ICMP; IGMP
Iris Type		Fixed aperture					Interoperability	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec; P2P
Close Focus Distance		0.8 m (2.6 ft)				User/Host	20
	Lens	Detect	Observe	Recognize	Identify		Edge Storage	Cloud; FTP; Micro SD card (support max. 256 GB); NAS
DORI Distance	W	66.0 m (183.7 ft)	26.4 m (73.5 ft)	13.2 m (36.7 ft)	6.6 m (18.4 ft)		Browser	IE Chrome Firefox
	Т	200.0 m (656.2 ft)	80.0 m (262.5 ft)	40.0m (131.2 ft)	20.0 m (65.6 ft)		Management Software	Smart PSS; DSS; DMSS
Video							Mobile Phone	IOS; Android
Video Compress	sion	H.265; H.264	; H.264B; MJPI	EG			Certification	
Smart Codec		Yes						CE-LVD: EN60950-1
Video Frame Rate		Main Stream: 2688 × 1520 (1 fps–20 fps) 2560 × 1440 (1 fps–25/30 fps) Sub Stream:					Certifications	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
							Power	
		704 × 576 (1 fps-20/25 fps) 704 × 480 (1 fps-20/30 fps)					Power Supply	12V DC/POE (802.3af)
							Power Consumption	< 6.4W
Stream Capabilit	ty	2 streams					Environment	
Stream Capability 2 streams 2688 × 1520 (2688 × 1520); 2		2560 × 1440 (2560 × 1440 (2560 × 1440)		Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than≤95%		
Resolution		2304 × 1296	(2304 × 1296);	1080p (1920 × 720); D1 (704 >	: 1080); 1.3M		Strorage Conditions	-40°C to +60°C (-40°F to +140°F)
		480); VGA (64	40 × 480); CIF (352 × 288/352	×240)		Ingress Protection	IP67; IK10

Structure

Casing	Metal
Dimensions	88.9 mm × Φ122 mm (3.5" × Φ4.8")
Net Weight	0.46 kg (1.0 lb)
Gross Weight	0.64 kg (1.4 lb)

Ordering Information					
Туре	Part Number	Description			
4MP	IPC-HDBW1431RP-ZS-S4	4MP Entry IR Vari-focal Dome Netwok Camera,PAL			
Camera	IPC-HDBW1431RN-ZS-S4	4MP Entry IR Vari-focal Dome Netwok Camera,NTSC			
	PFA137	Junction Box			
	PFA200W	Rain Shade			
	PFB203W	Wall Mount			
	PFA152-E	Pole Mount			
	PFA106	Mount Adapter			
Accessories	PFB220C	Ceiling Mount			
(optional)	PFB200C	In-ceiling Mount			
	PFM321D	DC12V1A Power Adapter			
	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender			
	PFM900-E	Integrated Mount Tester			
	PFM114	TLC SD Card			



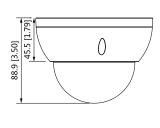
PFM900-E Integrated Mount tester

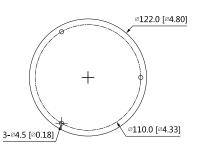


PFM114 TLC SD card

Junction Mount	Wall Mount	Wall Mount	Pole Mount
PFA137	PFA137+PFA200W	PFB203W	PFB203W+PFA152-E
Ceiling Mount	In-ceiling Mount		
PFA106+PFB220C	PFB200C		

Dimensions (mm[inch])





Accessories

Optional:



Junction Box



PFA200W Rain Shade



PFB203W Wall Mount



PFA152-E Pole Mount



PFA106



Mount Adapter



PFB200C In-Ceilling Mount





PFM321D DC12V1A Power Adapter



PFB220C Celling Mount



LR1002-1ET/1EC Single-port long reach ethernet over coax extender